

21.7.98
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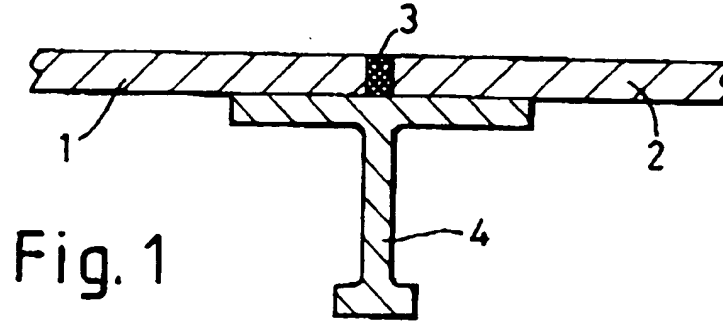


Fig. 1

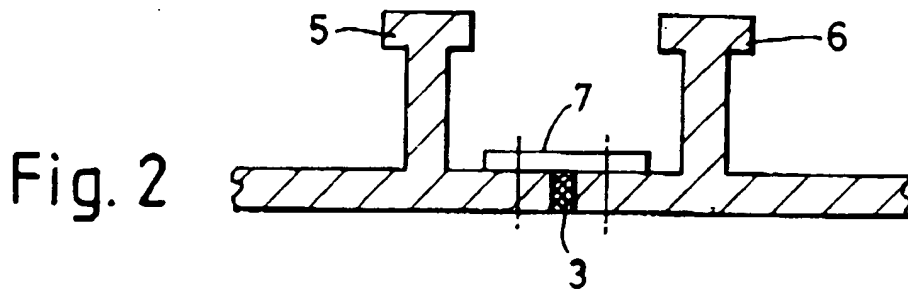


Fig. 2

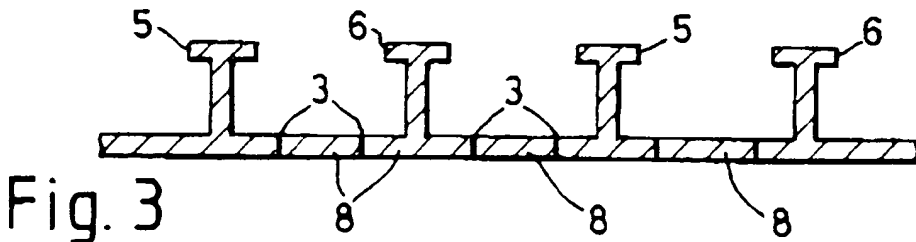


Fig. 3

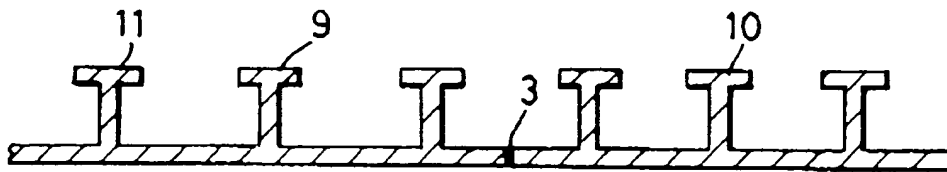


Fig. 4

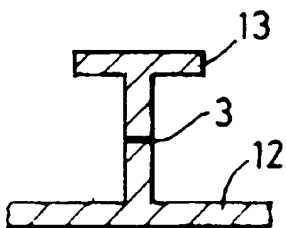


Fig. 5A

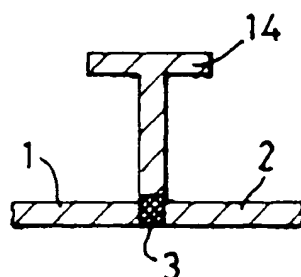


Fig. 5B

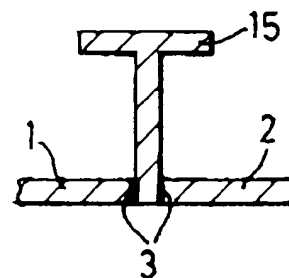


Fig. 5C

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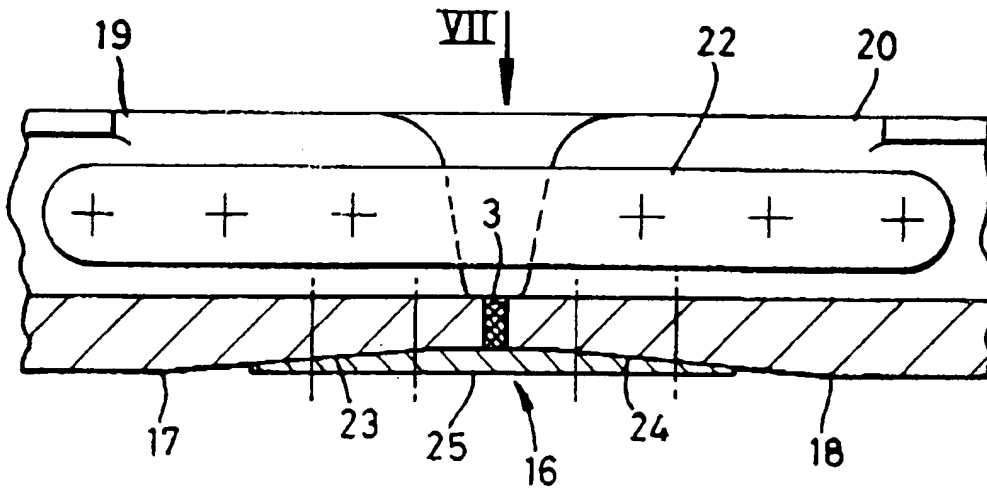


Fig. 6

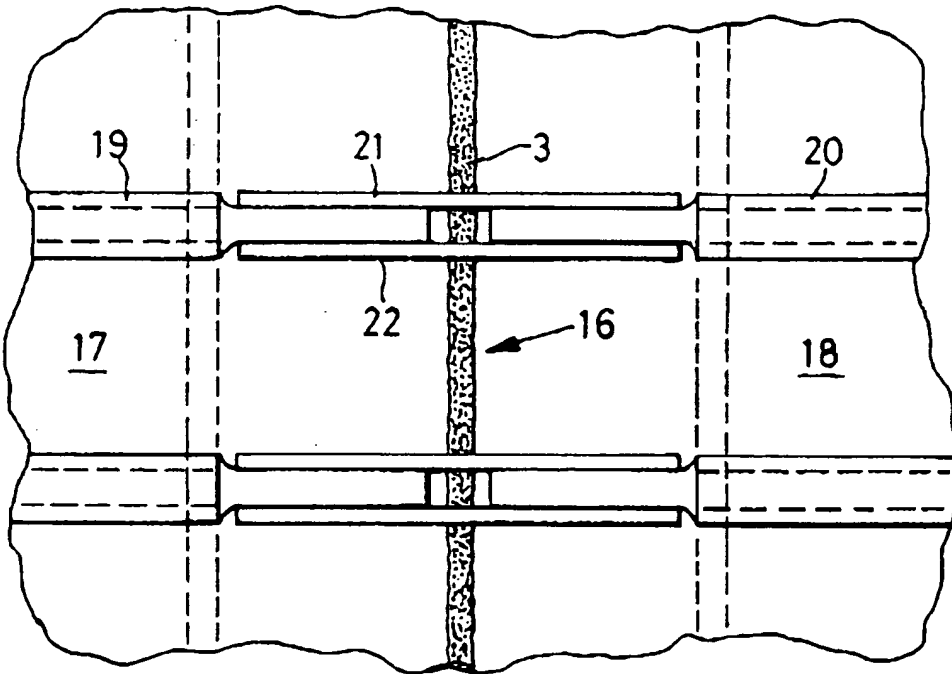


Fig. 7

TOP SECRET

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24.8.98)

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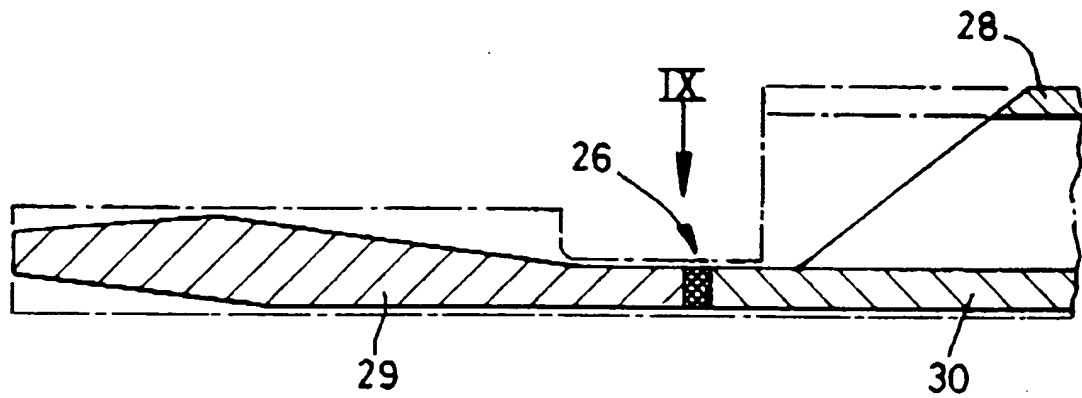


Fig. 8

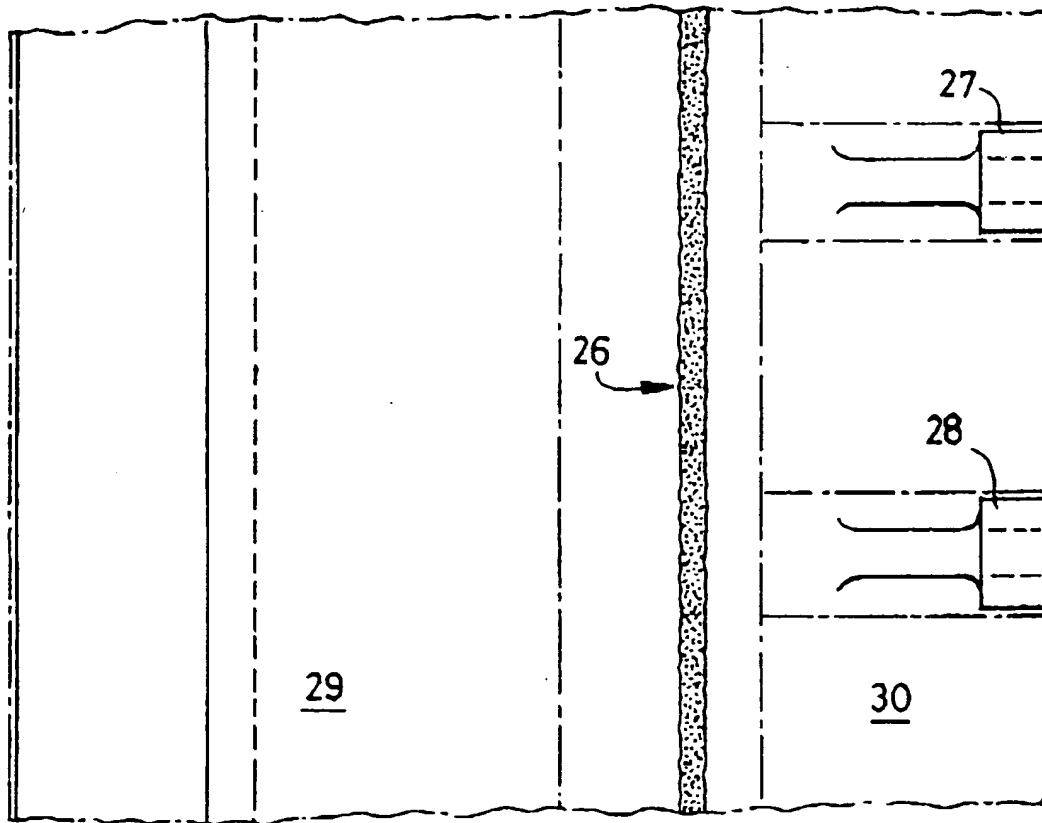


Fig. 9

0924490.080901

FIG. 10 11 12 13 14

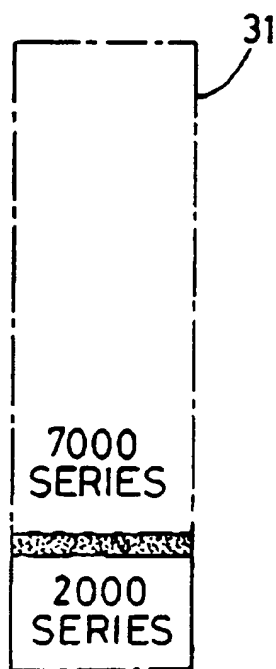


Fig. 10

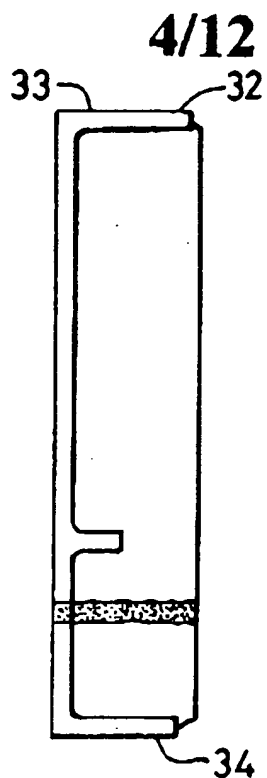


Fig. 11

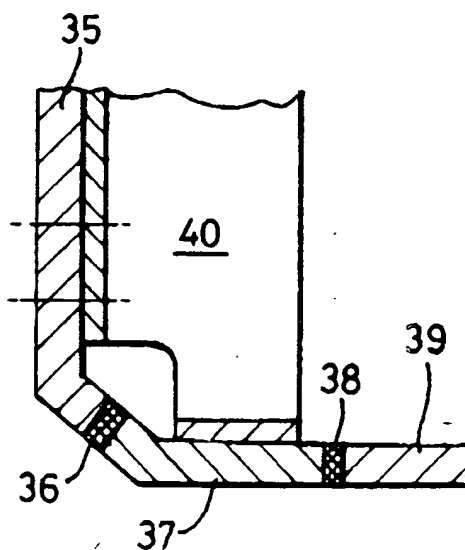


Fig. 12

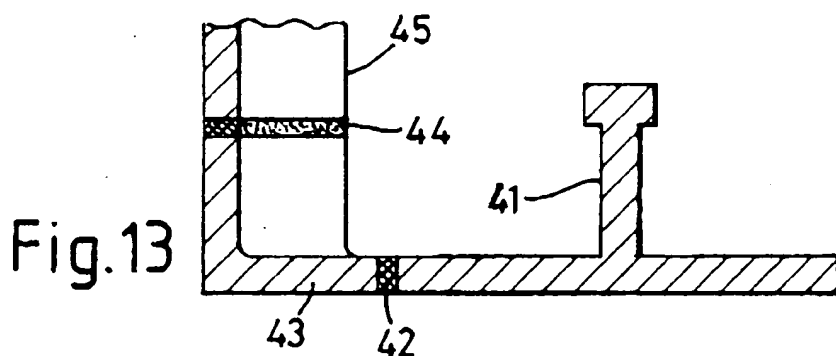


Fig. 13

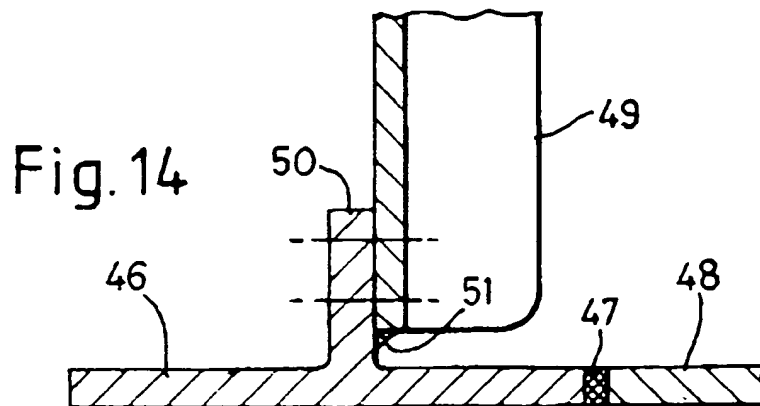


Fig. 14

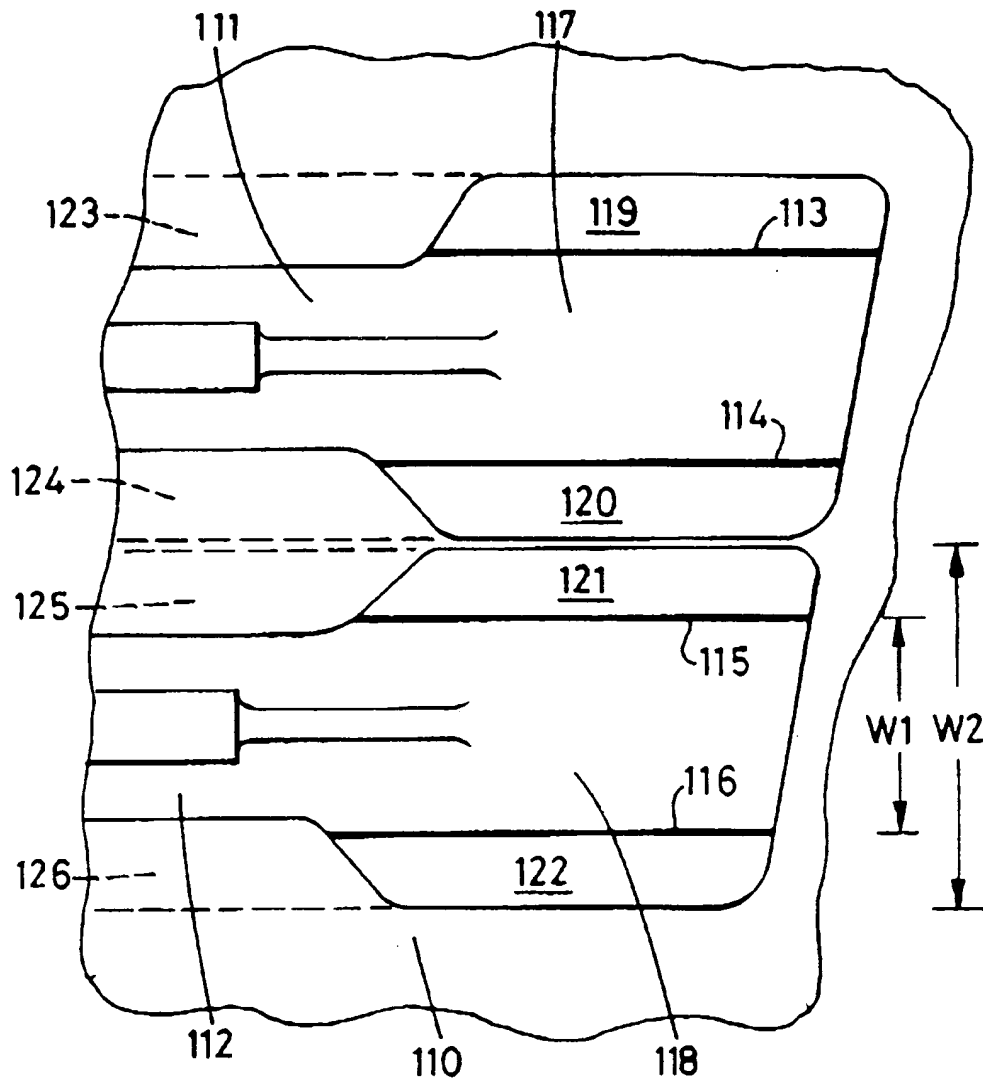


Fig. 15

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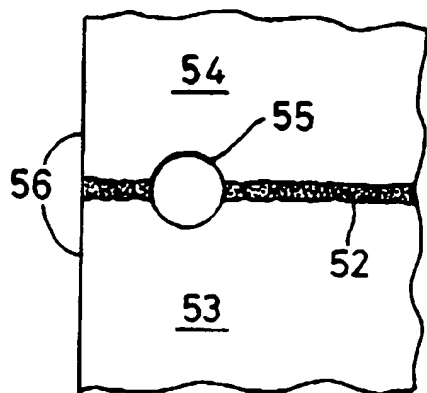


Fig. 16

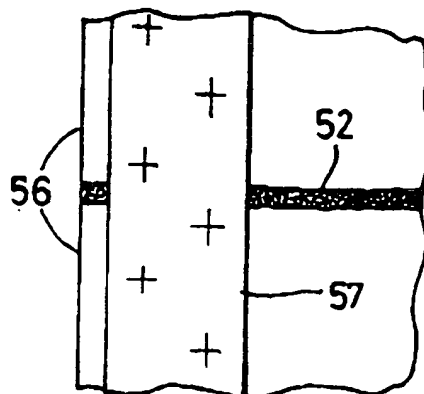


Fig. 17

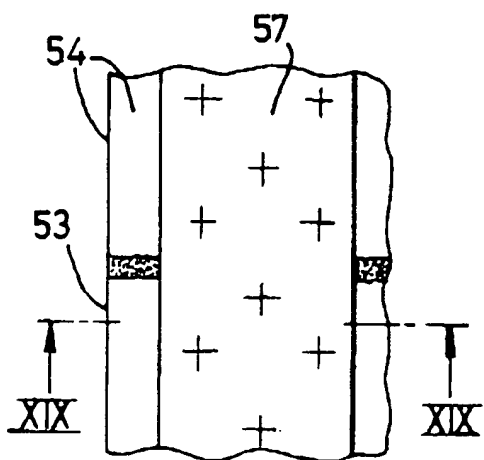


Fig. 18

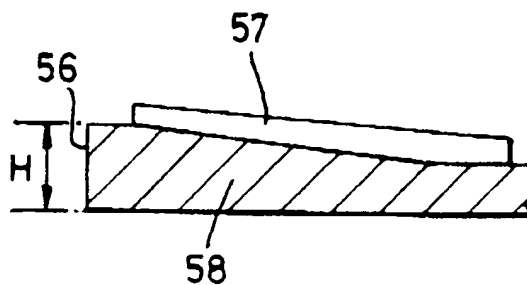


Fig. 19

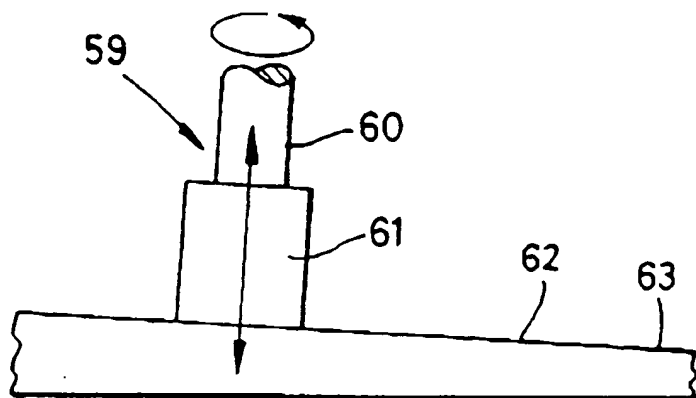


Fig. 20

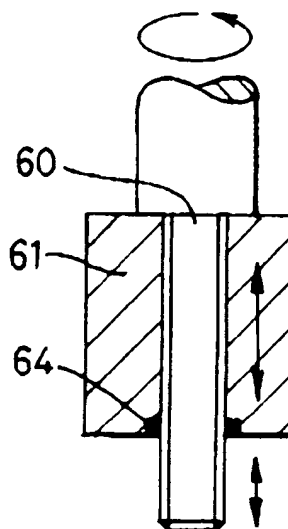
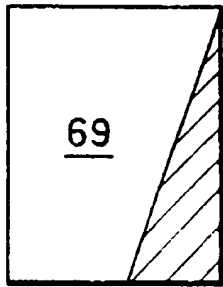
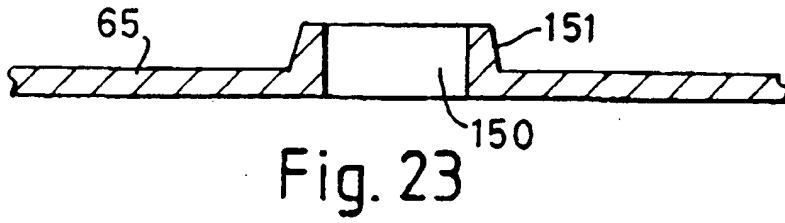
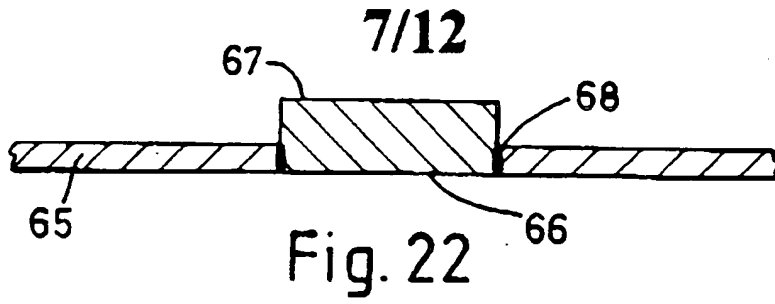
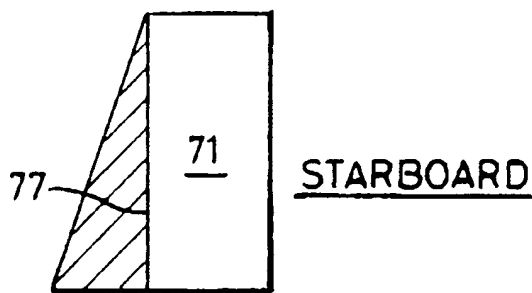
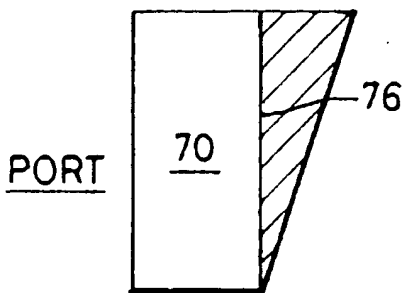
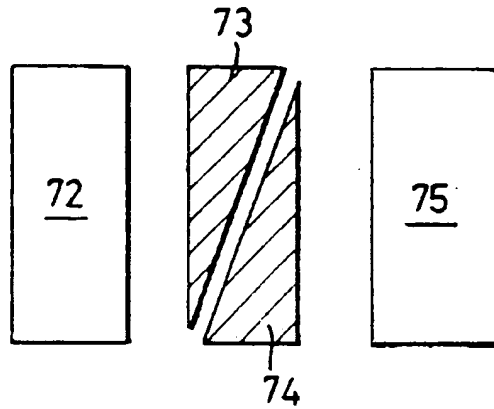


Fig. 21

FIG. 22



PRIOR ART



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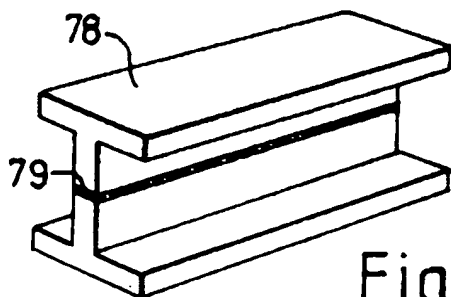


Fig. 28



Fig. 29A

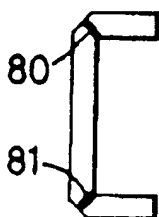


Fig. 29B

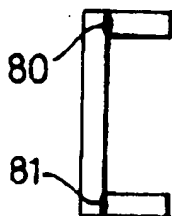


Fig. 29C

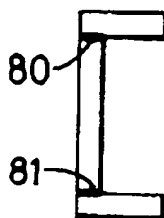


Fig. 29D

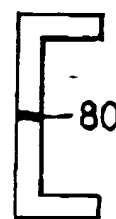


Fig. 29E

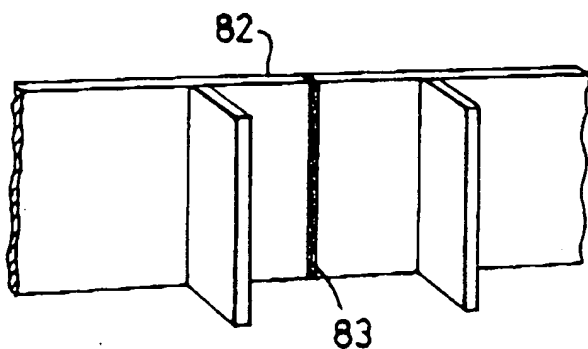


Fig. 30

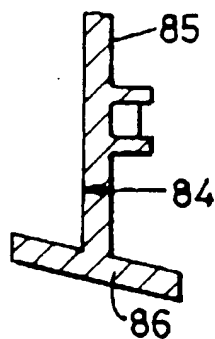


Fig. 31

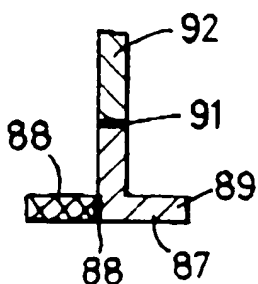


Fig. 32

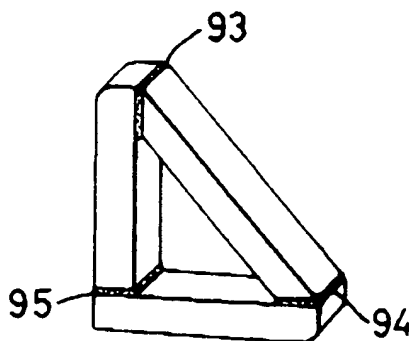


Fig. 33

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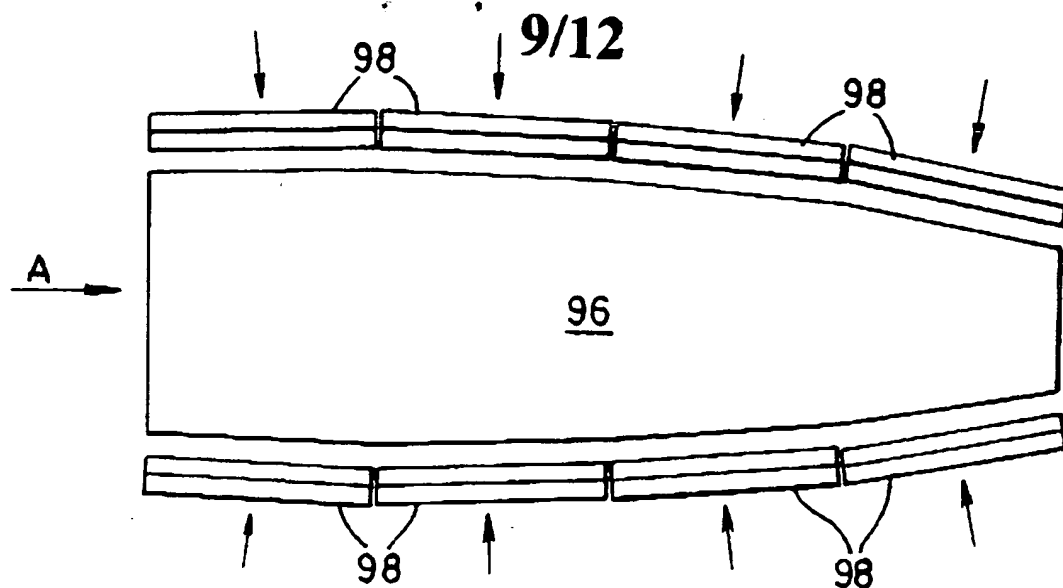


Fig. 34

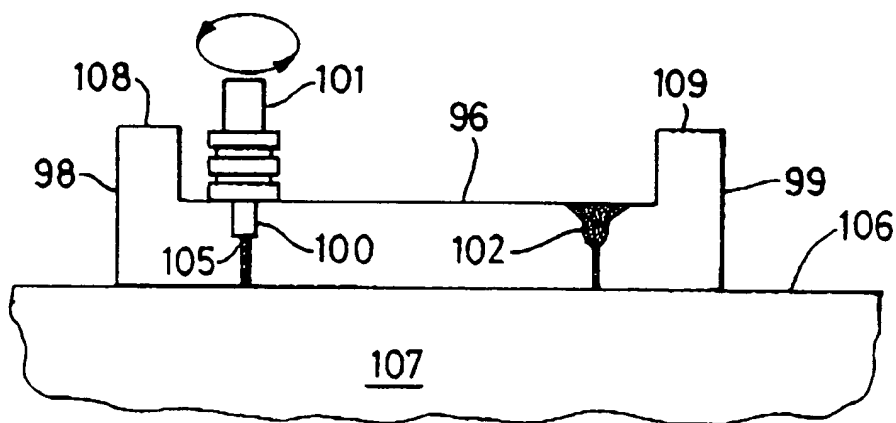


Fig. 35

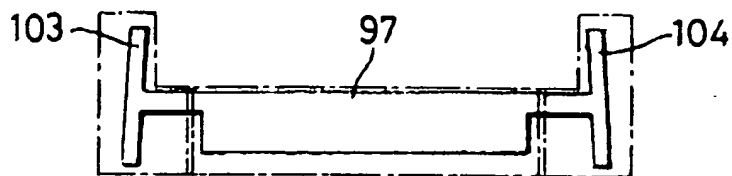


Fig. 36

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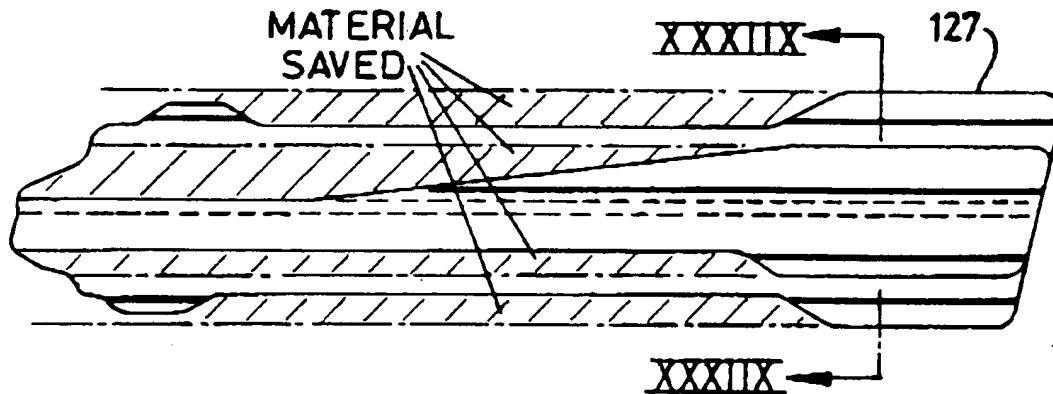


Fig. 37

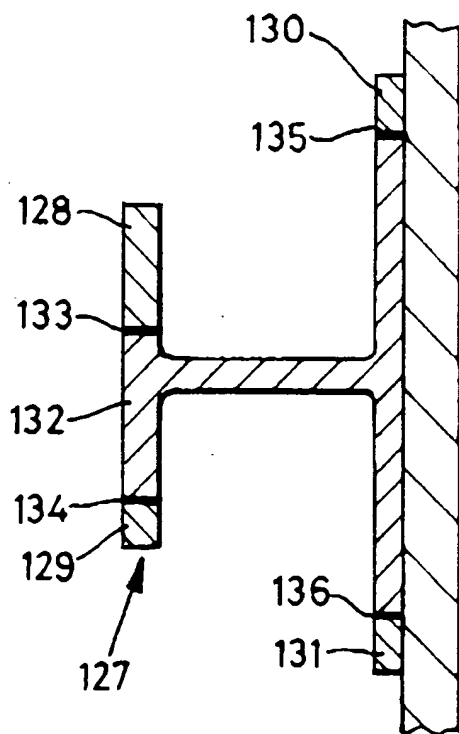


Fig. 38

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S-N data generated for FS welds compared with plane specimen data for 2024-T3 and HLT joints with interference fit fasteners in 2024-T351

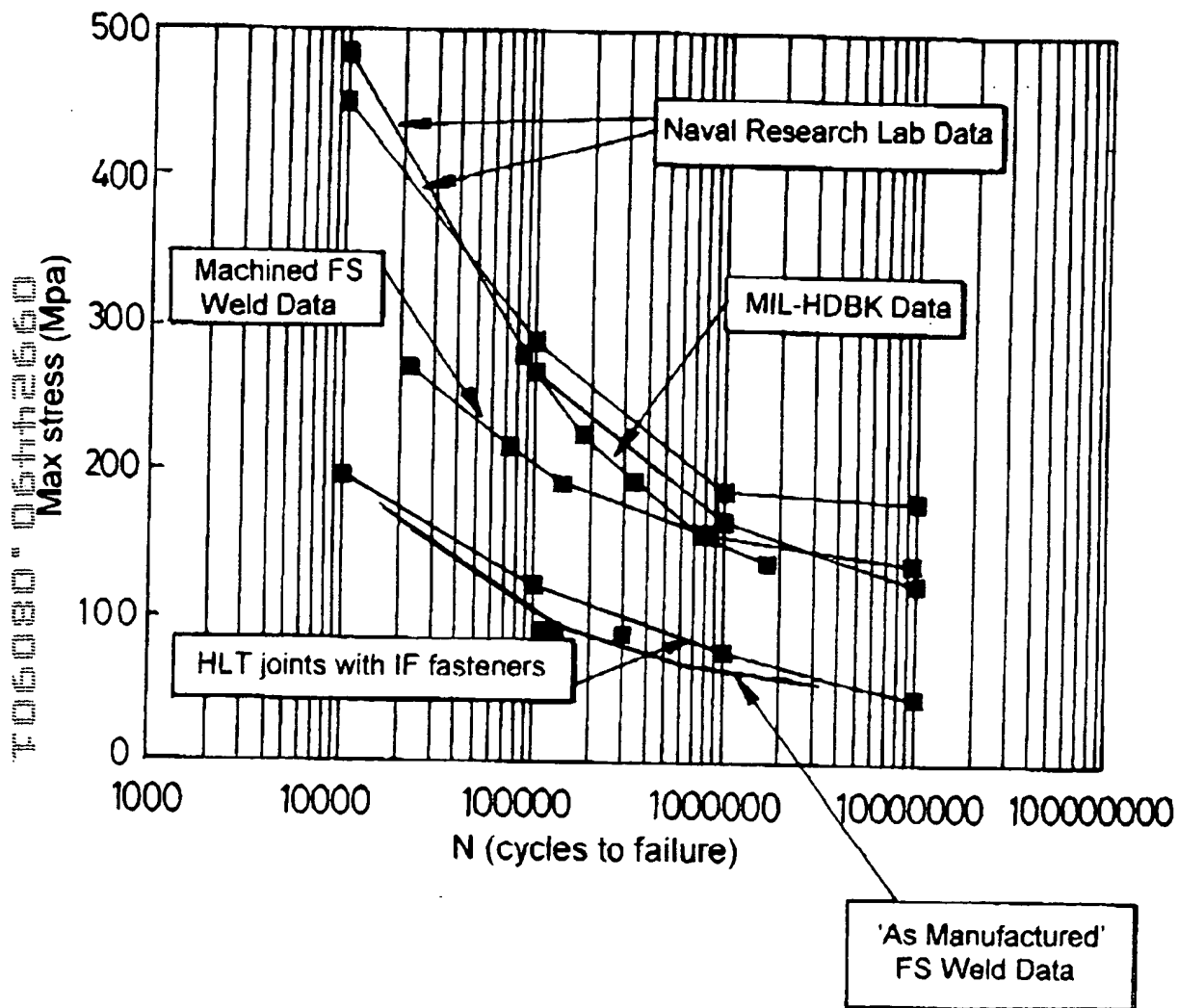


Fig. 39

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Distribution of residual stress across the depth of the plate

(At a point which is 10.5mm from the weld centre)

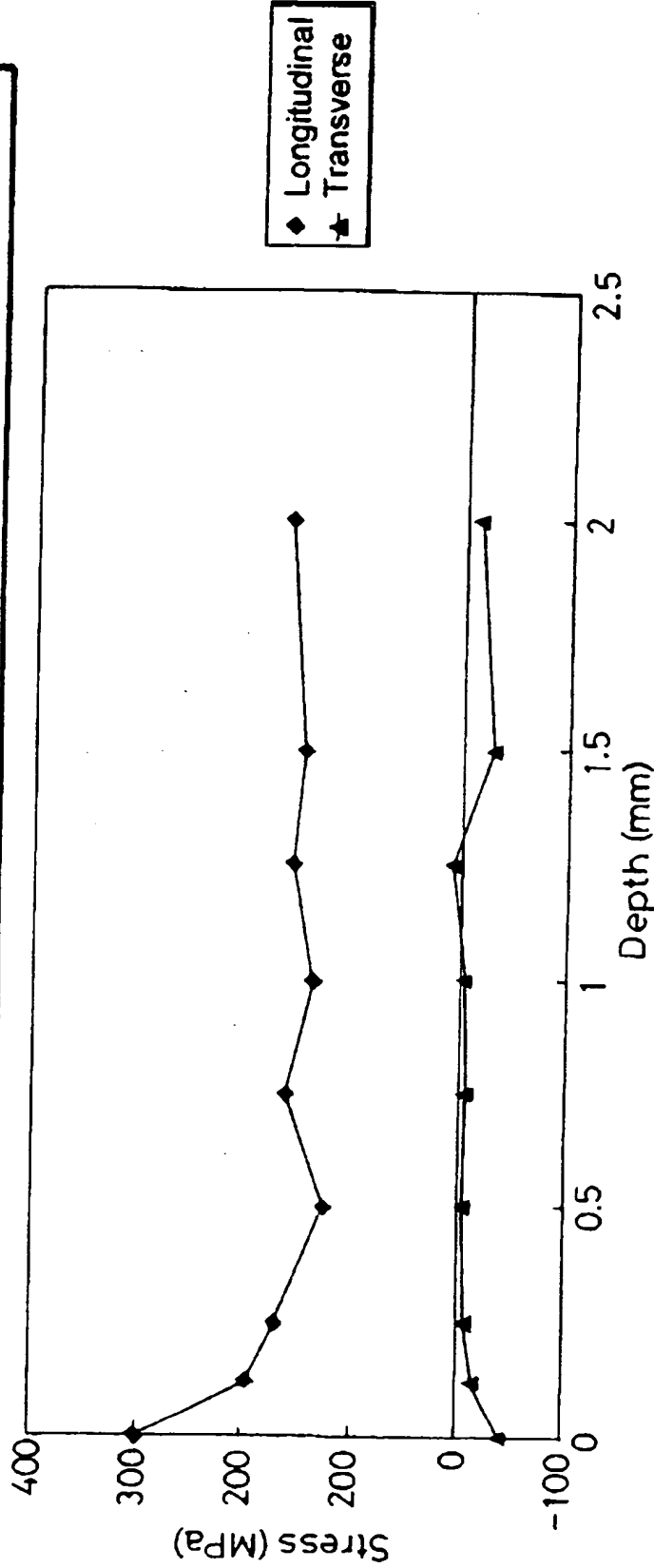


Fig. 40

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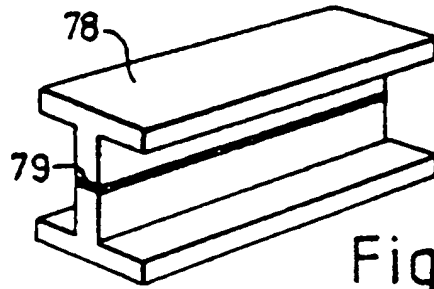


Fig. 28

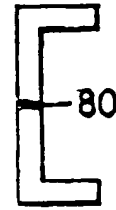
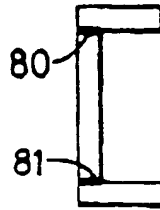
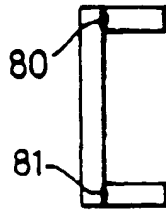
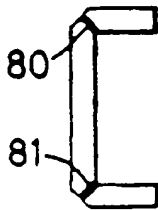


Fig. 29A Fig. 29B Fig. 29C Fig. 29D Fig. 29E

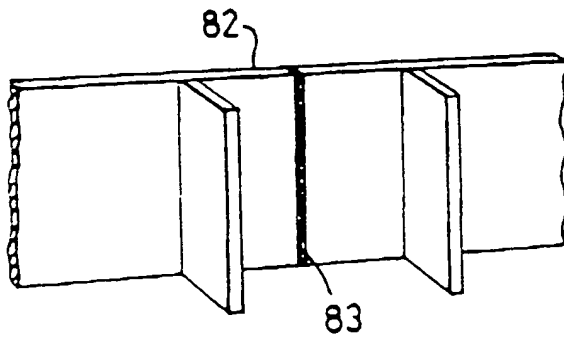


Fig. 30

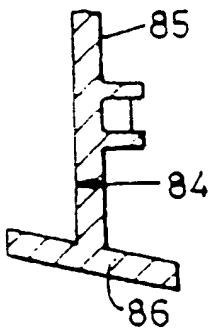


Fig. 31

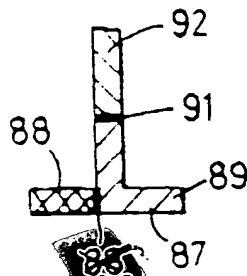


Fig. 32

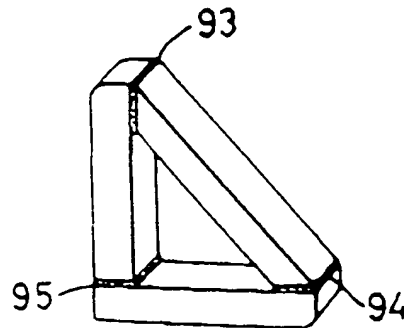


Fig. 33

FIG. 28

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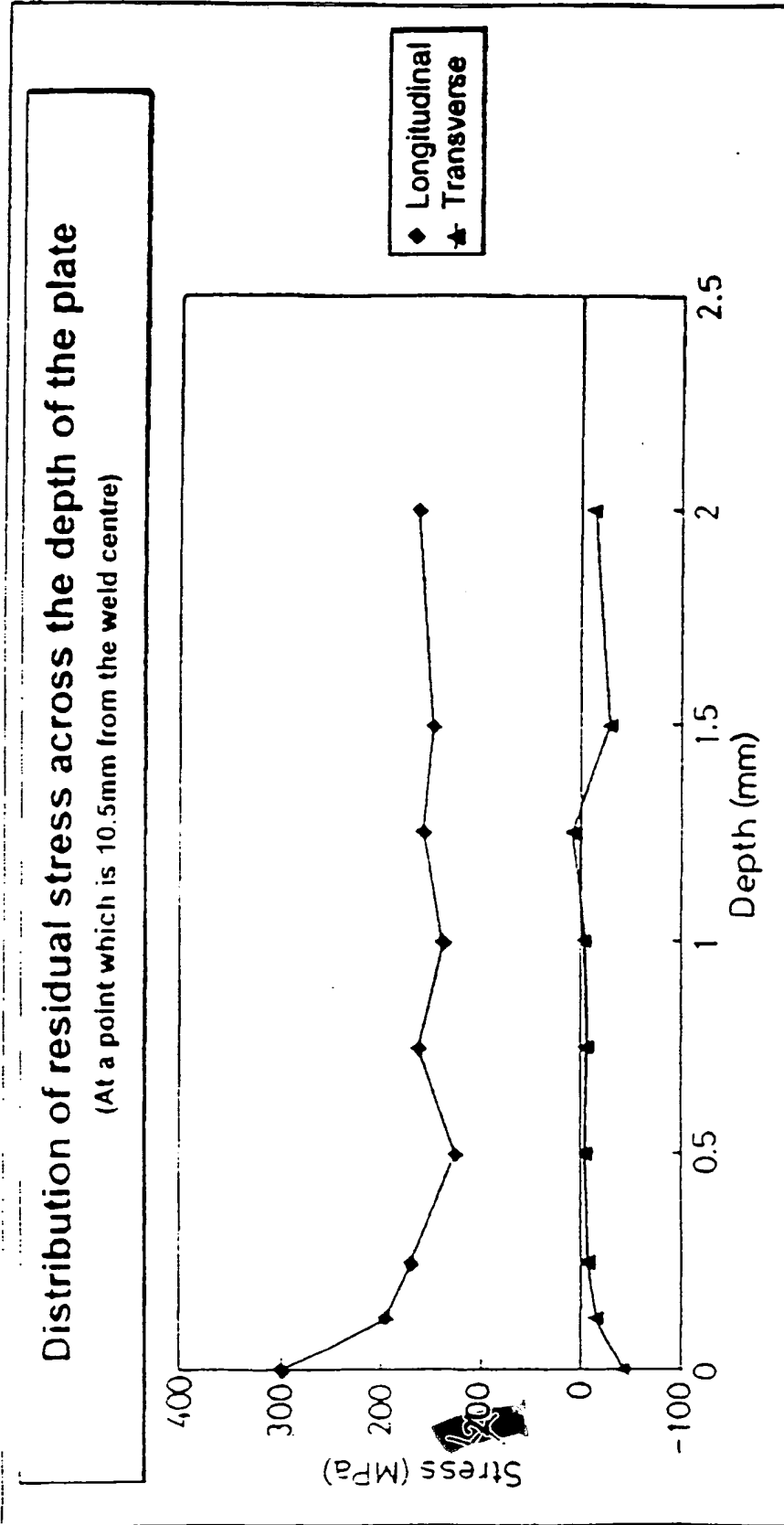


Fig. 40